

### **DETAILED ACTION**

This office action is a response to applicant's amendment filed on 04/02/2008. In virtue of this amendment, claims 6-15 are newly added; thus, claims 1-15 are currently in the instant application.

#### ***Specification***

1. Specification filed on 04/02/2008 is acknowledged.

#### ***Interview Summary***

2. Examiner contacted applicant's representative, Mark A. Wilson (Reg. 43,994), on June 30, 2008 for discussing about a clarification for claim 1 and 9 in order to place the application in allowance condition. Applicant's representative agreed to authorize examiner to change "its surface" to "a surface of said dielectric substrate" in Examiner's amendment.
3. Examiner contact applicant's representative, Mark A. Wilson (Reg. 43,994), on July 10, 2008 for discussing about a replacement of abstract. Applicant's representative authorize examiner to replace the abstract in the examiner's amendment (i.e., The invention relates to a dual-band antenna for preferable operation in the GSM and DCS frequency range. The dual-band antenna at the same time has the functionality of a diplexer. This makes it possible to produce wireless communication device with one component less, which in turn reduces weight and production cost.).

### **EXAMINER'S AMENDMENT**

4. An examiner's amendment to the record appears below. Should the changes and/or additions be unacceptable to applicant, an amendment may be filed as provided

by 37 CFR 1.312. To ensure consideration of such an amendment, it MUST be submitted no later than the payment of the issue fee.

Authorization for this examiner's amendment was given in a telephone interview with Mark A. Wilson (Reg. 43,994) on June 30, 2008.

The application has been amended as follows:

The abstract has been replaced as follow:

"The invention relates to a dual-band antenna for preferable operation in the GSM and DCS frequency range. The dual-band antenna at the same time has the functionality of a diplexer. This makes it possible to produce wireless communication devices with one component less, which in turn reduces weight and production cost."

Claim 1:

Line 4, "its surface" has been changed to - - a surface of said dielectric substrate, - -.

Claim 9:

Line 6, "its surface" has been changed to - - a surface of said dielectric substrate - -.

***Allowable Subject Matter***

5. Claims 1-15 are allowed.

6. The following is an examiner's statement of reasons for allowance:

Prior fails to disclose or fairly suggest an antenna for wireless communication devices wherein each pair of resonator structures comprising a first resonator structure

connected to a feed line and a second resonator structure having a connection to ground, each of the first and second resonator structures an open end, the first and the second resonator structures being electrically isolated from each other and being arranged adjacent to each other, wherein the open ends of the first and second resonator structures of each pair of resonator structures are arranged adjacent to each other, in combination with the remaining claimed limitations as in claims 1 and 9.

Claims 2-8 and 10-15 are allowed since they are dependent on claims 1 and 9.

Any comments considered necessary by applicant must be submitted no later than the payment of the issue fee and, to avoid processing delays, should preferably accompany the issue fee. Such submissions should be clearly labeled "Comments on Statement of Reasons for Allowance.

***Citation of Relevant Prior Art***

7. The prior art made of record and not relied upon is considered pertinent to applicant's disclosure.

Onaka et al. (US 6,784843 B2) fails to disclose a wireless antenna for wireless communication devices wherein each pair of resonator structures comprising a first resonator structure connected to a feed line.

***Inquiry***

8. Any inquiry concerning this communication or earlier communications from the examiner should be directed to DIEU HIEN T. DUONG whose telephone number is (571)272-8980. The examiner can normally be reached on Monday - Friday, from 8:30AM-5:00PM.

If attempts to reach the examiner by telephone are unsuccessful, the examiner's supervisor, Douglas W. Owens can be reached on 571-272-1662. The fax phone number for the organization where this application or proceeding is assigned is 571-273-8300.

Information regarding the status of an application may be obtained from the Patent Application Information Retrieval (PAIR) system. Status information for published applications may be obtained from either Private PAIR or Public PAIR. Status information for unpublished applications is available through Private PAIR only. For more information about the PAIR system, see <http://pair-direct.uspto.gov>. Should you have questions on access to the Private PAIR system, contact the Electronic Business Center (EBC) at 866-217-9197 (toll-free). If you would like assistance from a USPTO Customer Service Representative or access to the automated information system, call 800-786-9199 (IN USA OR CANADA) or 571-272-1000.

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